

**What is claimed is:**

1. A method of gilding quartz or high aluminum-oxide-containing tube, comprising:

- 5 preparing coating material which contains gold;
- cleansing the quartz or high aluminum-oxide-containing tube;
- drying the quartz or high aluminum-oxide-containing tube;
- smeaking the prepared the coating material on the quartz or high aluminum-oxide-containing tube to form a film thereon;
- 10 drying the quartz or high aluminum-oxide-containing tube;
- inspecting the dried quartz or high aluminum-oxide-containing tube to see if the film is formed uniformly and free of defects;
- putting the dried quartz or high aluminum-oxide-containing tube into a stove, which is maintained at the temperature between 780 to 880°C, to bake for 10 to 14 hours; and
- 15 retrieving the tube after the temperature in the stove is below 110°C, and putting the tube under room temperature.

2. The method according to Claim 1, wherein the coating material is prepared so that it contains 1.0~1.1% concentration of  $\text{AuCl}_3$ .

3. The method according to Claim 2, wherein quartz or high aluminum-oxide-containing tube is kept under room temperature for thirty minutes after the coating material is smeared thereon.

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4. The method according to Claim 3, wherein the baking time is 12 hours.

5. The method according to Claim 4, wherein the quartz or high

aluminum-oxide-containing tube is taken out of the stove when the stove temperature drops below 100 °C , and is then cooled under room temperature.

6. A gilded quartz or high aluminum-oxide-containing tube used  
5 in ozone generator comprises a gold film formed through the method according to Claim 1.

7. A gilded quartz or high aluminum-oxide-containing tube used  
in ozone generator comprises a gold film formed through the method according to Claim 5.

10 8. The gilded quartz or high aluminum-oxide-containing tube according to Claim 7, wherein the thickness of gold film is at least 0.06  $\mu\text{m}$ .

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